

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of : Customer Number: 98000  
MANTRAVADI, Ashok, et al. : Confirmation Number: 1802  
Application No.: 10/791,314 : Filed: March 1, 2004  
Patent No.: 7,724,838 : Issued: May 25, 2010  
Examiner: Lee, Siu M. : Group Art Unit: 2611  
For: HIERARCHICAL CODING WITH :  
MULTIPLE ANTENNAS IN A :  
WIRELESS COMMUNICATION :  
SYSTEM :  
:

**REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 CFR 1.322**

Mail Stop Post Issue  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF ELECTRONIC TRANSMISSION**

I hereby certify that this correspondence is being electronically-transmitted to  
the United States Patent and Trademark Office on September 28, 2010.  
/Nicole San Nicolas/

Nicole San Nicolas

In reviewing the above-identified patent, a printing error was discovered therein requiring  
correction in order to conform the Official Record in the application.

The error noted is set forth on the attached form PTO/SB/44 in the manner required by  
the Commissioner's Notice.

The change requested herein is required due to an Office error in the printing the Letters  
Patent and the Certificate should be issued without expense under Rule 322 of the Rules of  
Practice. The attached Declaration filed on March 1, 2004, includes a declaration by all of the  
inventors, including Avneesh Agrawal, regarding the correct inventorship. An appropriate  
assignment for the patent that also includes Avneesh Agrawal is recorded on reel 015052, frame

0510. In light of the foregoing remarks and supporting materials, it is respectfully requested that a certificate be issued for the patent naming Ashok Mantravadi and Avneesh Agrawal as the actual inventors.

Please charge any shortage in fees due in connection with the filing of this paper to Deposit Account 502624 and please credit any excess fees to such deposit account.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP

/John A. Hankins/

John A. Hankins  
Registration No. 32,029

**Please recognize our Customer No. 98000  
as our correspondence address.**

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**UNITED STATES PATENT AND TRADEMARK OFFICE**  
**CERTIFICATE OF CORRECTION**

PATENT NO : 7,724,838

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APPLICATION NO. : 10/791,314

ISSUE DATE : May 25, 2010

INVENTOR(S) : Mantravadi, Ashok, et al.

It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**IN THE INVENTORS:**

Add inventor –Agrawal, Avneesh (San Diego, CA)--.

**MAILING ADDRESS OF SENDER (Please do not use customer number below):**

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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: ATTENTION Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**